

PRODUCT NUMBER  
 5 4 1 0 1 - X X X - X X X X LF

PLATING  
 S=  $15\mu\text{m}$ [0.38 $\mu\text{m}$ ]GOLD ON  
 CONTACT AREA (NOTE 16)  
 $100\mu\text{m}$ [2.54 $\mu\text{m}$ ]TIN  
 ON TAIL.  
 G=  $30\mu\text{m}$ [0.76 $\mu\text{m}$ ]GOLD  
 ON CONTACT AREA (NOTE 16)  
 $100\mu\text{m}$ [2.54 $\mu\text{m}$ ]TIN  
 ON TAIL.  
 T=  $100\text{--}160\mu\text{m}$ [2.54-4.04 $\mu\text{m}$ ]TIN  
 ON CONTACT AREA AND  
 ON TAIL (SEE NOTE 11 & 15)

RETENTION  
 R=RETENTIVE LEG  
 NOTE 5 & 7

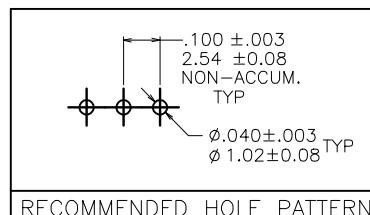
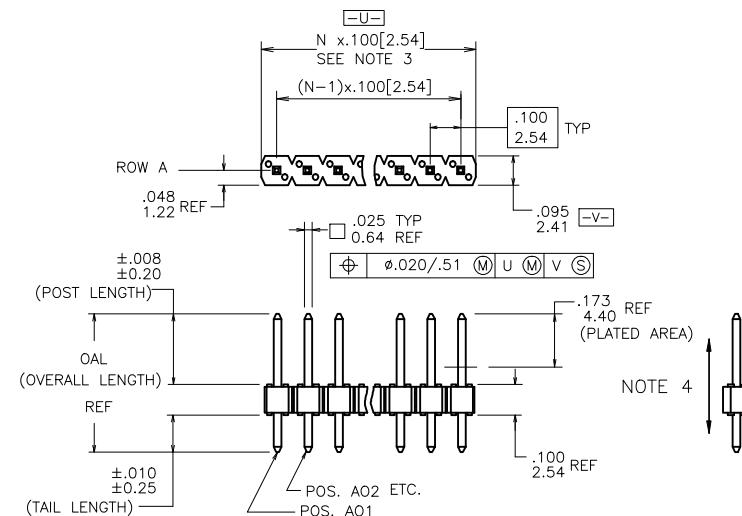
POLARIZATION  
 NOTE 7 & 9

BERGSTIK  
 POSITIONS PER ROW  
 01 TO 36 NOTE 10

BERGSTRIIP  
 POSITIONS PER REEL  
 00=36,000

PIN STYLES 5, 6, 8, 10, 30, 32 ONLY.

PIN STYLE	POST	TAIL	OAL
05	0.230/5.84	0.095/2.41	0.425/10.80
06	0.230/5.84	0.110/2.79	0.440/11.18
08	0.230/5.84	0.120/3.05	0.450/11.43
10	0.230/5.84	0.150/3.81	0.480/12.19
12	0.230/5.84	0.300/7.62	0.630/16.00
30	0.318/8.08	0.120/3.05	0.538/13.67
32	0.318/8.08	0.150/3.81	0.568/14.43
34	0.318/8.08	0.212/5.38	0.630/16.00



mat'l. code SEE NOTES 1 & 2		surface ISO 1302	tolerance ISO 466 ISO 1101	projection	product family
Utr	ecn no	dr	date	tolerances unless otherwise specified	
N	M06-0346	MHT	9/04/06	.XXE.0/XXE.3	INCH/MM
P	M07-0247	AGS	5/28/07	XXE.05/XXE.13	
R	M07-0337	MHT	7/23/07	0'E.2'	scale 1:1
S	M07-0361	MHT	8/14/07	dr	D.INGRAM 05/10/99
T	M08-0237	MHT	8/25/08	engr	H.SUNDY 07/15/99
U	M08-0279	MHT	9/30/08	chr	H.SUNDY 07/15/99
V	M09-0090	MHT	6/19/09	appd	H.SUNDY 07/15/99
sheet	revision	V	V		dwg no sheet 1 of 2 size
index	sheet	1	2		54101 A3

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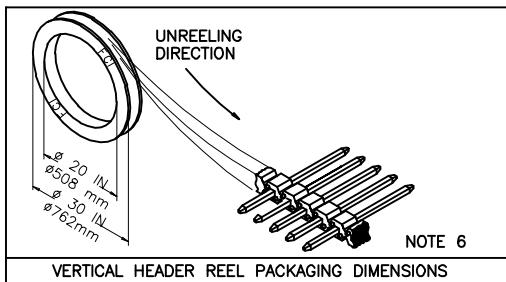
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## NOTES:

- ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0, COLOR: BLACK  
OR  
MINERAL FILLED LCP FLAME RETARDENT PER UL-94V-0. COLOR: BLACK.
- ② PIN MATERIAL: PHOSPHOR-BRONZE
- ③ TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW.  
EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- ④ 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION.
- ⑤ RETENTIVE LEG APPLICABLE TO TAIL LENGTH .120/3.05 ONLY. (4 PINS PER PART HAVE RETENTION)  
5LB/2.3KG MAX INSERTION FORCE AND .25LB./1KG MIN RETENTION FORCE PER RETENTIVE PIN  
USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE LOCATION  
AT THE DISCRETION OF THE MANUFACTURER. IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT  
NUMBER, 1x2 OR 1x3 PARTS NOT REFERENCED.
6. BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIIP PACKAGED PER REEL.
7. POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIIP.
8. UNDERPLATING: 50 $\mu$ "/1.27 $\mu$ m Ni.
9. FOR POLARIZATION SPECIFY POSITION NUMBER (i.e.. A03=ROW A POS. 3)  
TO OMIT PIN,  
IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT  
NUMBER.
10. POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD  
AS CLOSE AS 36 POSITION.
11. PIN TIPS ON TIN PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
12. PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
13. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
14. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW  
OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE OR  
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm  
MINIMUM THICK CIRCUIT BOARD.
15. "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."
16. PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



## Cross Reference

CORE RANGE	EXTENDED RANGE
77311-101-XXLF	54101-G05XXLF
77311-801-XXLF	54101-S05XXLF
77311-118-XXLF	54101-G08XXLF
77311-818-XXLF	54101-S08XXLF

mat'l. code SEE NOTES 1 & 2	surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
lfr	ecn no	dr	date	tolerances unless otherwise specified
v				XX±.01/XX±.03
				XXX±.005/XXX±.013
				XXXX±.0020/XXXX±.0051
				scale 1:1
		dr	DINGRAM 05/10/99	
		engr	H.SUNDY 07/15/99	
		chr	H.SUNDY 07/15/99	
		appd	H.SUNDY 07/15/99	
sheet index	revision sheet			

form: A3

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